



7/18/03  
8/1/03

**PATENT**  
Attorney Docket No. 12-0887

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Application No.: 09/448,175 )  
Filing Date: November 24, 1999 )  
Inventor(s): Hanna S-H Hsu, et al. )  
Group Art Unit: 2634 )  
Examiner Name: Odom, Curtis B. )  
Customer No.: 27160 )  
Title: POLYPHASE FILTER WITH )  
STACK SHIFT CAPABILITY )

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.

August 6, 2003  
Date

John S. Panagoulas  
John S. Panagoulas  
Registration No. 31,051  
Attorney for Applicant(s)

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

**AUG 14 2003**

**Technology Center 2600**

**AMENDMENT**

Sir:

In response to the Official Action mailed on April 7, 2003, please amend the above-identified application as follows.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.



PATENT APPLICATION

Attorney Docket No. 12-0887

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hanna S-H Hsu, et al.  
Application No.: 09/448,175  
Filed: November 24, 1999  
For: POLYPHASE FILTER WITH STACK SHIFT CAPABILITY  
Group Art Unit: 2634  
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John S. Paniaguas  
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Registration No. 31,051  
Attorney for Applicant(s)

AMENDMENT TRANSMITTAL

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Technology Center 2600

Dear Sir:

Transmitted herewith is an Amendment in the above-identified application.

1. ( ) A paper requesting correction/substitution of drawings is attached.

2. Fee for Claims

(X) No additional fee is required.

The fee for additional claims in accordance with 37 C.F.R. §1.16(b)-(d) has been calculated as shown below:

|                                   |                                  |                                 |               | SMALL ENTITY |                | OTHER THAN A SMALL ENTITY |                |
|-----------------------------------|----------------------------------|---------------------------------|---------------|--------------|----------------|---------------------------|----------------|
|                                   | Claims Remaining After Amendment | Highest No. Previously Paid for | Present Extra | Rate         | Additional Fee | Rate                      | Additional Fee |
| Total                             |                                  | Minus                           | -             | x 9          | -              | x 18                      | -              |
| Indep.                            |                                  | Minus                           | -             | x 42         | -              | x 84                      | -              |
| Fee for Multiple Dependent Claims |                                  |                                 |               | +140         |                | +280                      | -              |
| TOTAL ADDITIONAL FEES             |                                  |                                 |               |              |                | OR                        |                |

3. Method of Payment of Fees

- ( ) Enclosed is our firm check in the amount of: \$ \_\_\_\_\_
- ( ) Charge \$ \_\_\_\_\_ to Deposit Account No. 50-1214.

4. (X) The Commissioner is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 50-1214. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1214. This sheet is filed in duplicate.

Respectfully Submitted,

August 6, 2003  
(Date)

By:

John S. Paniaguas  
John S. Paniaguas  
Registration No. 31,051

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